DATE: NAME: CLASS:

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| **TOPICS 1-3** | Topics 1-3 Test | **BLM 1-9** |
| **ASSESSMENT** |  |

# Goal • Check your understanding of terms and concepts in Topics 1, 2, and 3.

**Fill in the Blanks**

Use the terms below to complete the sentences that follow. Some terms may be used more   
than once.

learn adaptations re-use natural

habitat sustainable wants ecological footprint

needs recycle inherited reduce

1. The beaver’s long flat tail and webbed feet have helped it adapt to its aquatic habitat. These physical features are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from its parents and past generations of beaver.
2. Dogs make good indoor pets, because they can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ if people train them not to bark or chew shoes.
3. Although an organism is born with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to its environment, it must   
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ways to survive throughout its life.
4. Trees, water, oil, and minerals are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ resources that we use to meet our basic needs.
5. Natural resources can provide us with goods and energy to fulfill our basic  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but not all of our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. When natural resources are renewed as quickly as they are used, and produced wastes are absorbed through natural process, we have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ environment.
7. We can become more aware of our impact on the environment by calculating our  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. We can all reduce our impact on the environment through the three Rs:  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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(continued)

**Multiple Choice**

Circle the letter for the best answer.

1. Three types of symbiotic relationships are  
   (a) host, commensal, and mutual  
   (b) commensal, mutual, and predator  
   (c) commensal, mutual, and parasitic  
   (d) parasitic, positive, and mutual
2. A mutual relationship has which of the following characteristics?  
   (a) two organisms of the same size  
   (b) two organisms, both feeding another organism  
   (c) two organisms of the same species  
   (d) two organisms, both benefitting from the relationship
3. Which of the following is a basic human need?  
   (a) telephone  
   (b) water  
   (c) pop  
   (d) air conditioner
4. Which mode of human transportation has the smallest ecological footprint?  
   (a) air travel  
   (b) automobile  
   (c) walking  
   (d) biking

13. What is the study of the relationship between living organisms and their environment called?

A) biology

B) interaction

C) ecologist

D) ecology

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14. What is the term used by ecologists to indicate the place where an organism lives?

A) habitat

B) shelter

C) home

D) ecosystem

15. What are four examples of natural resources?

A) oil, water, trees, minerals

B) metal, water, trees, oil

C) minerals, water, metal, oil

D) minerals, oil, plastic, water

16. Mike is doing a research report on Alberta's oil and gas industry for science class. What will Mike's class be learning about?

A) renewable resources

B) natural resources

C) ecologists

17. Why did peregrine falcons come close to extinction in the mid 1900s in eastern Canada?

A) wild forest fires

B) lights that were left on in office buildings at night

C) the use of a pesticide called DDT

D) overhunting

18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ means that resources are being replenished at a rate equal to or greater than the rate at which they are being used and that wastes are being completely absorbed.

A) Conservation

B) Sustainability

C) Waste-reduction

D) Symbiosis

19. Krista lives in an apartment, rides her bike to work, wears second-hand clothing, and takes short showers. Ann lives in a big house, drives a car to work, buys a brand-new outfit every week, and loves long, hot showers. Which of the following is true?

A) Krista has a smaller ecological footprint than Ann does.

B) Krista is less concerned about sustainability than Ann.

C) Ann has a smaller ecological footprint than Krista does.

D) Ann and Krista both have the same impact on the environment.

20. Which "R" are you practising when you pass used clothing on to another person?

A) re-use

B) refrigerate

C) reduce

D) recycle